



Missouri Department of Natural Resources

## Total Maximum Daily Load Information Sheet

### East Fork Chariton River

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#### Water Body Segment at a Glance:

<b>Counties:</b>	Macon to Chariton
<b>Nearby Cities:</b>	Macon, Huntsville
<b>Length of impaired segment:</b>	48.5 miles
<b>Pollutant:</b>	Sulfate
<b>Source:</b>	Multiple AMLs
<b>Water Body ID:</b>	0682



State Map Showing Location of Watershed

**Note:** Proposed for delisting in 2010

**Scheduled for TMDL development:** N/A

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#### Description of the Problem

##### Beneficial uses of E. Fk. Chariton River

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health (Fish Consumption)
- Whole Body Contact Recreation
- Public Drinking Water Supply
- Irrigation

##### Use that is impaired

- Public Drinking Water Supply

##### Standards that apply

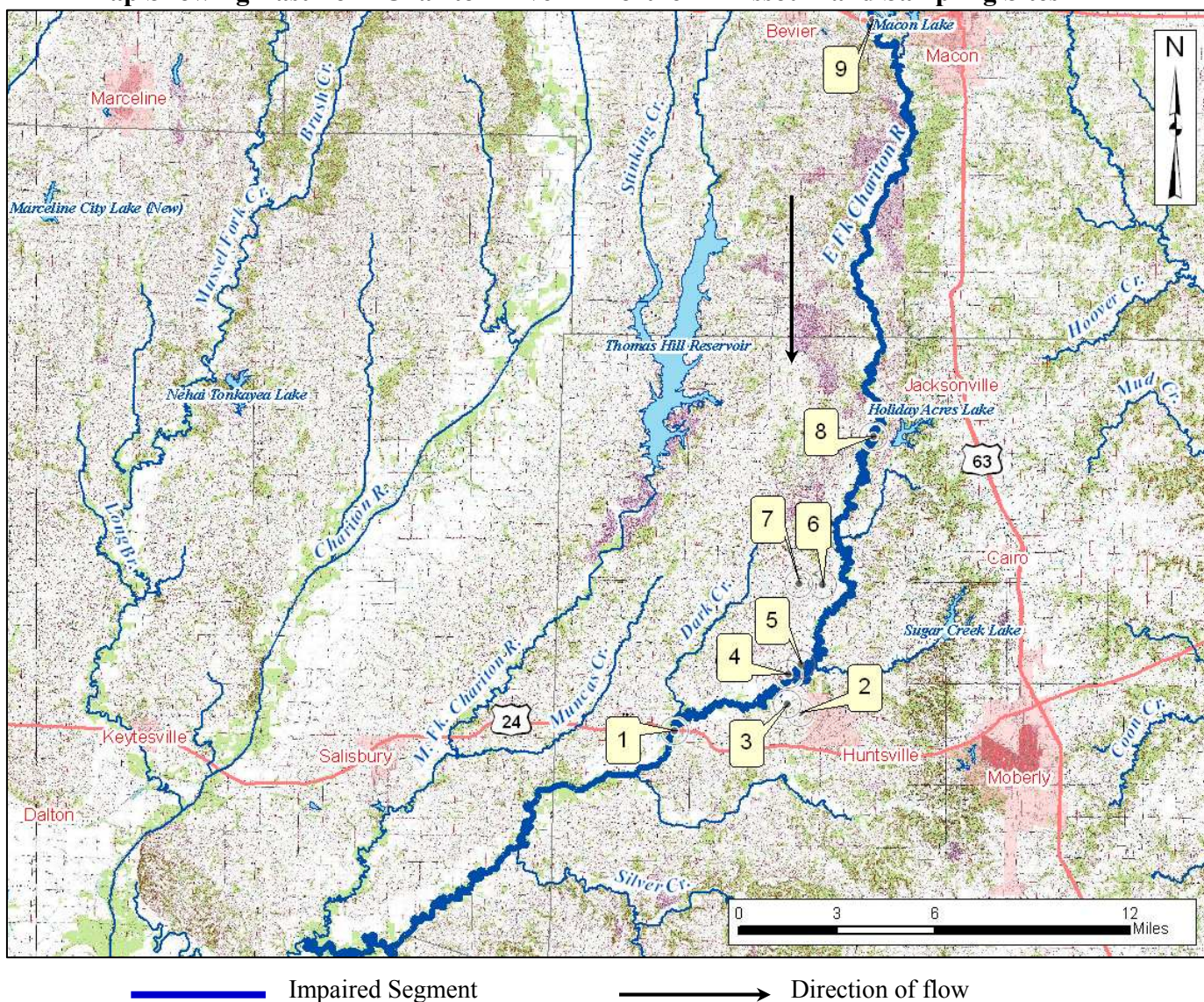
- The water quality standard for protection of a drinking water supply for sulfate is 250 milligrams per liter (mg/L or parts per million). This is found in Missouri's Water Quality Standards 10 CSR 20-7.031 in Table A

#### Background information and water quality data

The East Fork Chariton River flows south and then west through Macon County. It joins the Middle Fork Chariton River in Chariton County to form the Little Chariton River. Using U.S. Geological Survey data from 2002-2005, this water body was first listed in 2006. These data showed the mean (average) sulfate concentration just above the 250 mg/L criterion. Using more recent data (up to 2008), the mean is now 227 mg/L, less than the criterion, and the river is proposed for de-listing in 2010.



**Map Showing East Fork Chariton River in northern Missouri and Sampling Sites**



Sample Sites			
1	E Fk Chariton at US Highway 24	6	Mine Seep 1.25 miles east of Trinity Cemetery
2	Mine Seep 1 mile west of Huntsville	7	Mine Seep 0.5 mile east of Trinity Cemetery
3	E Fk Chariton at Huntsville	8	E Fk Chariton 0.7 mile west of Holiday Acres
4	Mine Seep 1.8 miles NW of Huntsville	9	E Fk Chariton near State Highway 36
5	Mine Seep 2 miles NW of Huntsville		

**For more information call or write:**

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